

Safety Data Sheet

1. Product and Company Information

Product name	:	Quartz Fiber Filter QR-100
Supplier company name, address, phone number	:	
Company	:	Toyo Roshi Kaisha, Ltd.
Head office	:	Hibiya-Kokusai BLDG 5F, 2-2-3 Uchisaiwaicho, Chiyoda-ku, Tokyo, 100-0011 Japan
Section in charge	:	Quality Assurance Division
Phone	:	+81-3-5521-2176
Fax	:	+81-3-5521-2177
E-mail	:	trk-hinsho@advantec.co.jp
Recommended application	:	Air dust concentration measurement.
Restrictions in use	:	<ul style="list-style-type: none"> • Please consult us for other uses. • Designed for only air sampler. Cannot be used for liquid filtration. • In case of measuring dust concentration in high-temperature exhaust gas, heat it to a constant temperature condition that is higher than the exhaust gas to be measured before use.

2. Hazard Summary

GHS Classification	:	
Physical hazards	:	Not applicable to the classification.
Human health hazard	:	Not applicable to the classification.
Environmental hazard	:	Not applicable to the classification.
Label element	:	N/A

3. Composition and Information on ingredients

Chemical substance/Mixture	:	Chemical substance
Chemical name or general product name	:	Quartz Fiber Filter
Ingredients and Content	:	Quartz fiber
Reference Number in Gazetted List in Japan	:	
• Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture etc.	:	(1)-548 Quartz
• Japanese Chemical Substances Control Act.	:	
Japan's Industrial Safety and Health Act.	:	Not applicable.

4. First Aid Measures

Inhalation	:	Not applicable.
Skin contact	:	Not applicable.
Eye contact	:	Immediately wash thoroughly with clean running water. In case of abnormality, consult with a physician.
Ingestion	:	In case of abnormality, consult with a physician.

5. Fire Fighting Measures
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| Extinguishing media | : | Plenty of water (spray), dry chemicals, carbon dioxide, foam chemicals, and halogen media. |
| Unacceptable extinguishing media | : | No data available. |
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6. Accidental Release Measures
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| Personnel precautions, protective equipment and emergency procedures | : | No data available. |
| Precautions for environment | : | No data available. |
| Methods and materials for containment and cleaning up | : | No data available. |
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7. Handling and Storage
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| Handling | : | Avoid breathing in dust.
Avoid touching the eyes and skin as much as possible.
If necessary, wear gloves, protective eye wear and a dust mask. |
| Storage | : | Avoid direct sunlight, ultraviolet light, wetting, high and low temperatures, high humidity, open-air storage, strong acids and strong bases.
Avoid hydrofluoric acids. |
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8. Prevention of exposure and human body protection
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| Acceptable concentration
Japan Society for Occupational Health | : | No data available. |
| Acceptable concentration
ACGIH | : | No data available. |
| Facility provision | : | It is recommended to install a local exhaust ventilation system, device for washing the face/body/mouth and a changing room. |
| Protective equipment | : | Use appropriate protective tools if necessary. |
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9. Physical and Chemical Properties
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| Physical property | : | Solid, smooth surface paper. |
| Color | : | White. |
| Odour | : | None. |
| Melting point / Freezing point | : | No data available. |
| Boiling point or initial boiling point and boiling range | : | No data available. |
| Flammability | : | No. |
| Lower explosion limit and upper explosion limit / Flammability limit | : | Not applicable. |
| Flash point | : | Not applicable. |
| Spontaneous ignition point | : | Not applicable. |
| Decomposition temperature | : | Not applicable. |
| pH | : | No data available. |
| Kinematic viscosity | : | Not applicable. |
| Solubility | : | Insoluble in water. |
| n-octanol / Water partition coefficient | : | No data available. |
| Vapor pressure | : | No data available. |
| Density or relative density | : | 1.5 |
| Relative gas density | : | Not applicable. |
| Particle characteristics | : | No data available. |

10. Stability and Reactivity

Reactivity	:	Stable under normal handling.
Chemical Stability	:	Stable under normal handling.
Possibility of hazardous reactions	:	No data available.
Conditions to avoid	:	Avoid strong acids and strong bases. Avoid hydrofluoric acids.
Hazardous substances for mixing	:	No data available.
Hazardous decomposition products	:	No data available.

11. Toxicological Information

Acute toxicity		
(oral)	:	Not applicable to the classification.
(dermal)	:	Not applicable to the classification.
(inhalation: gases)	:	Not applicable to the classification.
(inhalation: vapours)	:	Not applicable to the classification.
(inhalation: dust and mist)	:	Not applicable to the classification.
Skin corrosion/ Irritation	:	Not applicable to the classification.
Serious eye damage/ eye irritation	:	Cannot be classified due to lack of data.
Respiratory sensitization / Skin sensitization	:	Cannot be classified due to lack of data.
Germ cell mutagenicity	:	Cannot be classified due to lack of data.
Carcinogenicity	:	Cannot be classified due to lack of data.
Reproductive toxicity	:	Cannot be classified due to lack of data.
Specific target organ toxicity - Single exposure	:	Cannot be classified due to lack of data.
Specific target organ toxicity - Repeated exposure	:	Cannot be classified due to lack of data.
Aspiration hazard	:	Cannot be classified due to lack of data.

12. Ecological Information

Ecotoxicity		
Hazardous to the aquatic environment (acute)	:	Cannot be classified due to lack of data.
Hazardous to the aquatic environment (chronic)	:	Cannot be classified due to lack of data.
Persistence and Degradability	:	No data available.
Bioaccumulative potential	:	No data available.
Mobility in soil	:	No data available.
Ozone layer hazard	:	No data available.

13. Disposal Considerations

Dispose it in accordance with national, prefectural and local regulations.
The same as general industrial waste, outsource industrial waste disposal companies or local public organizations who are authorized by governors.
In case of the incineration, use controlled incinerator following Air Pollution Control Law, Waste Disposal & Public Cleaning Law and Water Pollution Control Law. (We recommend disposing the material as an industrial waste.)

14. Transportation Notes

Regulatory information in case there are domestic regulations.	:	No regulatory information.
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15. Applicable Law

- Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture etc. : As this is an existing chemical substance, no need to report the manufacturing importing quantity.
 - Japanese Chemical Substances Control Act. (1)-548 Quartz
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16. Note:

The descriptions in this Safety Data Sheet are made based on the literature, information or data that we can obtain at this moment but subject to be revised with new knowledge in the future. The content, physical and chemical properties, hazards, etc. do not provide any assurance, and precautions are intended for normal handling. For special handling, take appropriate safety measures for the intended use.

Please take that this safety data sheet is for your reference and take appropriate measures in accordance with actual conditions under your responsibility.

Please note that this Safety Data Sheet is created according to Japanese law.

Reference Literature

- Classification of chemicals based on “Globally Harmonized System of Classification and Labelling of Chemicals (GHS)” (JIS Z 7252:2019)
 - Communicating hazard information on labels based on GHS—Labelling, Posting in the workplace and Safety Data Sheet (SDS) (JIS Z 7253:2019)
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